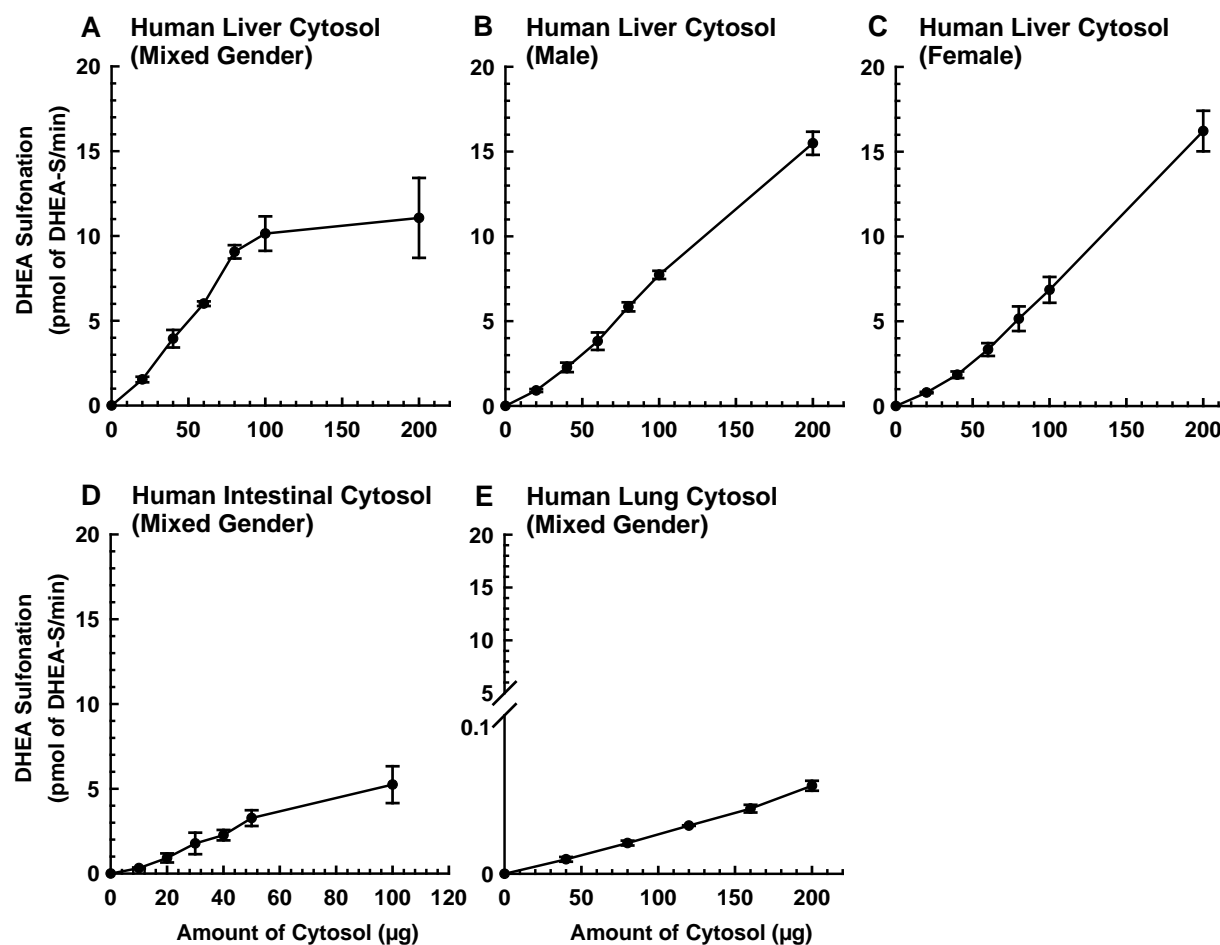


**Identification of Galeterone and Abiraterone as Inhibitors of Dehydroepiandrosterone Sulfonation
Catalyzed by Human Hepatic Cytosol, SULT2A1, SULT2B1b, and SULT1E1**

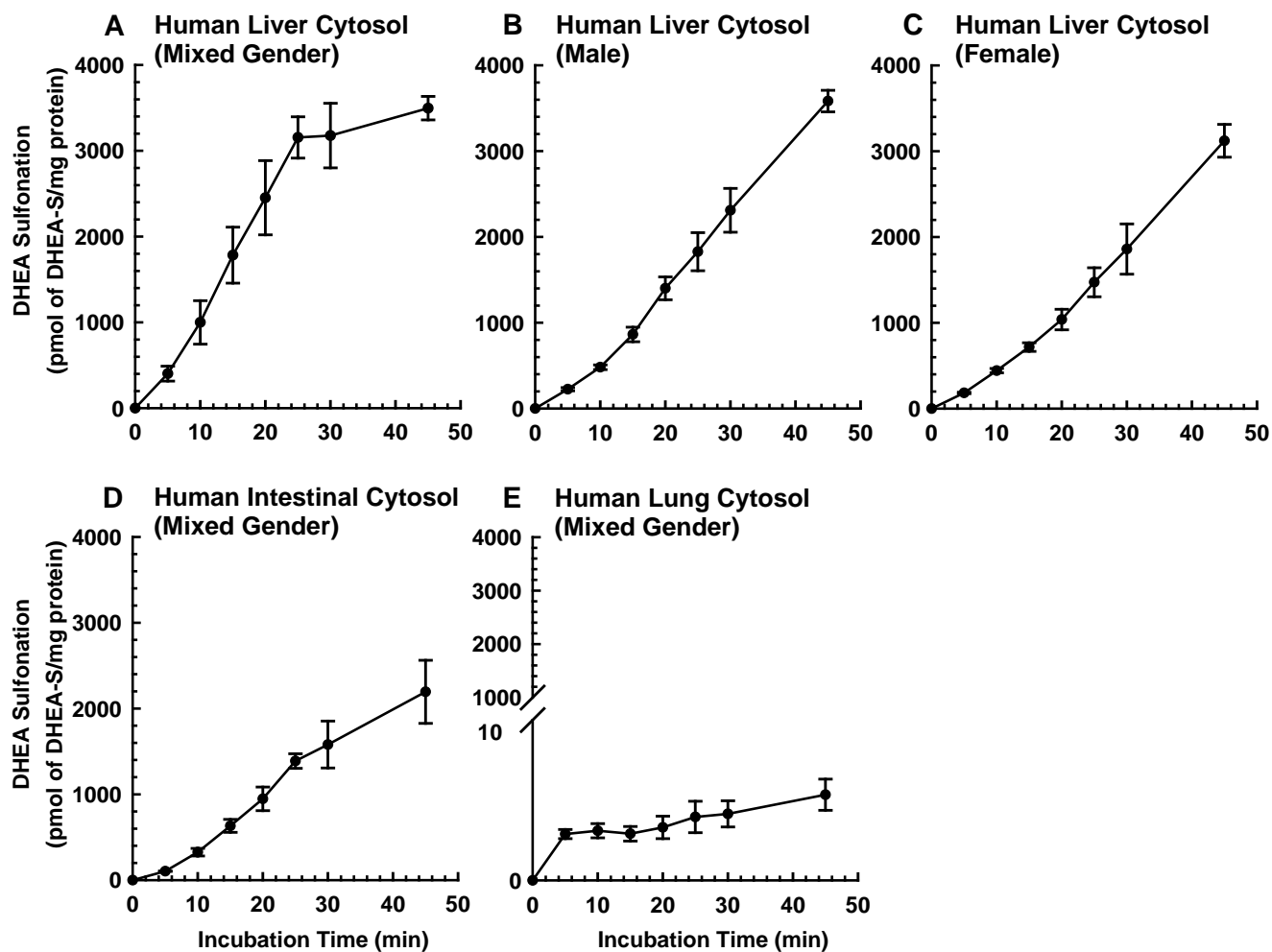
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Supplemental Fig. S1. Relationship between amount of cytosolic protein and DHEA sulfonation catalyzed by human liver, intestinal, and lung cytosols. Varying amount of (A) human mixed gender liver cytosol (20, 40, 60, 80, 100, or 200 µg protein), (B) human male liver cytosol (20, 40, 60, 80, 100, or 200 µg protein), (C) human female liver cytosol (20, 40, 60, 80, 100, or 200 µg protein), (D) human intestinal cytosol (mixed gender; 10, 20, 30, 40, 50, or 100 µg protein), or (E) human mixed gender lung cytosol (40, 80, 120, 160, or 200 µg protein) was incubated with DHEA (0.75 µM) at 37°C for 15 min in an incubation mixture as described under Materials and Methods. The amount of DHEA-S was quantified by UPLC-MS/MS. Data are expressed as mean ± S.D. of three independent experiments performed on separate occasions.



Supplemental Fig. S2. Relationship between incubation time and DHEA sulfonation catalyzed by human liver, intestinal, and lung cytosols. (A) Human mixed gender liver cytosol (60 μg protein), (B) human male liver cytosol (60 μg protein), (C) human female liver cytosol (60 μg protein), (D) human mixed gender intestinal cytosol (30 μg protein), or (E) human mixed gender lung cytosol (80 μg protein) was incubated in potassium phosphate buffer (100 mM, pH 7.4) with DHEA (0.75 μM) at 37°C for 5, 10, 15, 20, 25, 30 or 45 min in an incubation mixture as described under Materials and Methods. The amount of DHEA-S was quantified by UPLC-MS/MS. Data are expressed as mean \pm S.D. of three independent experiments performed on separate occasions.